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## DISPERSE DYE

Disperse dyes are the only class of dye capable of dyeing POLYESTER fibres with adequate fastness. Commercially these dyes are used at 130°C. In a craft situation we are only able to boil the dyes. This makes it more difficult to get heavy depths of shade. For heavy depths of shade you will require POLYESTER CARRIER to be added to the dyebath. Good black shades can be difficult to achieve. DISPERSE DYES will also dye NYLON at the boil.

### HOW MUCH DYE WILL I NEED ?

50-60GMS OF DISPERSE DYE WILL DYE 1 KG OF DRY WEIGHT OF FABRIC.

5-6GMS OF DISPERSE DYE WILL DYE 100G OF DRY WEIGHT OF FABRIC.

THE ABOVE QUANTITIES SHOULD GIVE YOU GOOD STRONG COLOURS. FOR BLACK AND NAVY SHADES YOU MAY REQUIRE MORE DYE. IF YOU REQUIRE PALER COLOURS JUST USE LESS DYE (USE ABOUT 1/10TH THE AMOUNT FOR PASTELS)

### WHAT DO I NEED TO ADD TO THE DYEBATH ?

DYE PICKUP AND LEVELNESS OF YOUR DYEING WILL BE IMPROVED BY ADDING **POLYTEX MFU**, A MULTIFUNCTIONAL DYEBATH AUXILIARY. POLYTEX PER-60 SHOULD BE ADDED AT 1-2GMS PER LITRE AT THE BEGINNING OF THE DYEBATH.

TO BUILD UP HEAVY SHADES (ESPECIALLY BLACK &, NAVY) YOU WILL NEED TO ADD **POLYTEX NOC**, A POLYESTER CARRIER (or DYEING ACCELERATOR) TO THE DYEBATH. THIS SHOULD BE ADDED AT 6-10GMS OF POLYESTER CARRIER PER LITRE OF WATER IN THE DYEBATH. THE PREFERRED pH OF THE DYEBATH IS WEAKLY ACID (pH 5.5-6). THE ADDITION OF THE POLYTEX PES-60 WILL ENSURE THE DYEBATH pH IS WITHIN THE CORRECT RANGE. THIS IS NOT ESSENTIAL BUT IT IS PREFERRED!!

### DYEBATH METHOD

**ENSURE FABRIC IS CLEAN AND FREE OF ANY SIZING OR FINISHES.**

Fill dyebath with enough warm water to cover fabric. Mix dye with HOT water, add to the dyebath making sure that the dye is evenly distributed. Add the **POLYTEX MFU** at desired rate. Place fabric in dyebath preferably wet, making sure it is evenly covered by the dyebath. If Polyester Carrier is being used, generally it is added before the dye. The cloth is simmered for 10-15 minutes with the Carrier then the dye mixture is added to the dyebath. (To simplify the procedure you can add the Polyester Carrier at the beginning or during the dyeing if you are finding it difficult to build up the depth of shade required.) Bring dyebath to the boil, stirring regularly. Simmer dyebath for 30-80 minutes depending on the depth of shade required.

After dyeing has been completed remove fabric and RINSE WELL first in cold water, then wash article a couple of times in HOT soapy water. Finally rinse in warm water until it runs clear. **Wash article on its own for the first few times.**

**SAFETY DIRECTIONS:** AS WITH ALL DYES & CHEMICALS AVOID INGESTION, INHALATION, EYE & SKIN CONTACT. **KEEP OUT OF REACH OF CHILDREN.** If swallowed DO NOT induce vomiting, rinse mouth with water, give plenty of water or milk, Seek Medical Advice. This class of dye generally has LOW ORAL TOXICITY. HOWEVER SOME COLOURS IN DISPERSE DYES MAY CAUSE SKIN AND/OR RESPIRATORY IRRITATION.